

Division 3. Air Resources Board

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Chapter 9. Off-Road Vehicles and Engines Pollution Control Devices

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Article 5. Portable Engine and Equipment Registration

**§ 2457. Requirements for Portable Equipment Units.**

(a) Emissions from a registered portable equipment unit, exclusive of emissions emitted directly from the associated portable engine, shall not exceed:

- (1) 10 tons per year of any single criteria pollutant; and
- (2) 82 pounds per project per day of PM<sub>10</sub>.

(3) For registered equipment units that operate within STW and onshore, emissions released while operating both in STW and onshore shall be included toward the 10 tons per year limit.

(b) Portable equipment units shall also meet the following applicable requirements:

(1) Confined abrasive blasting operations:

(A) no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1 or equivalent 20 percent opacity;

(B) the particulate matter emissions shall be controlled using a fabric or cartridge filter dust collector;

(C) as a part of application for registration, the applicant shall provide manufacturer's specifications or engineering data to demonstrate a minimum particulate matter control of 99 percent for the dust collection equipment;

(D) except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters; and

(E) there shall be no visible emissions beyond the property line on which the equipment is being operated.

(2) Concrete batch plants:

(A) all dry material transfer points shall be ducted through a fabric or cartridge type filter dust collector, unless there are no visible emissions from the transfer point;

(B) all cement storage silos shall be equipped with fabric or cartridge type vent filters;

(C) the silo vent filters shall be maintained in proper operating condition;

(D) no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1 or equivalent 20 percent opacity;

(E) open areas and all roads subject to vehicular traffic shall be paved, watered, or chemical palliatives applied to prevent fugitive emissions in excess of 20 percent opacity or Ringelmann 1;

(F) silo service hatches shall be dust-tight;

(G) as a part of application for registration, the applicant shall provide manufacturer's specifications or engineering data to demonstrate a minimum particulate matter control of 99 percent for the fabric dust collection equipment;

(H) except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters;

(I) all transfer points shall be equipped with a wet suppression system to control fugitive particulate emissions unless there are no visible emissions;

(J) all conveyors shall be covered, unless the material being transferred results in no visible emissions;

(K) wet suppression shall be used on all stockpiled material to control fugitive particulate emissions, unless the stockpiled material results in no visible emissions; and

(L) there shall be no visible emissions beyond the property line on which the equipment is being operated.

(3) Sand and gravel screening, rock crushing, and pavement crushing and recycling operations:

(A) no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 1 or equivalent 20 percent opacity;

(B) there shall be no visible emissions beyond the property line on which the equipment is being operated;

(C) all transfer points shall be ducted through a fabric or cartridge type filter dust collector, or shall be equipped with a wet suppression system maintaining a minimum moisture content to ensure there are no visible emissions;

(D) particulate matter emissions from each crusher shall be ducted through a fabric dust collector, or shall be equipped with a wet suppression system which maintains a minimum moisture content to ensure there are no visible emissions;

(E) all conveyors shall be covered, unless the material being transferred results in no visible emissions;

(F) all stockpiled material shall be maintained at a minimum moisture content to ensure there are no visible emissions;

## **Board Administration and Regulatory Coordination Unit**

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(G) as a part of application for registration, the applicant shall provide manufacturer's specifications or engineering data to demonstrate a minimum particulate matter control of 99 percent for the fabric dust collection equipment;

(H) except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters;

(I) open areas and all roads subject to vehicular traffic shall be paved, watered, or chemical palliatives applied to prevent fugitive emissions in excess of 20 percent opacity or Ringelmann 1; and

(J) if applicable, the operation shall comply with the requirements of 40 CFR Part 60 Subpart OOO.

(4) Unconfined abrasive blasting operations:

(A) no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as or darker than Ringelmann 2 or equivalent 40 percent opacity;

(B) only California Air Resources Board-certified abrasive blasting material shall be used [Note: see Title 17, California Code of Regulations, section 92530 for certified abrasives.];

(C) the abrasive material shall not be reused;

(D) no air contaminant shall be released into the atmosphere which causes a public nuisance;

(E) all applicable requirements of Title 17 of California Code of Regulations shall also apply; and

(F) there shall be no visible emissions beyond the property line on which the equipment is being operated.

(5) Tub grinders and trommel screens:

(A) there shall be no visible emissions beyond the property line on which the equipment is being operated;

(B) no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent 20 percent opacity;

(C) water suppression or chemical palliatives shall be used to control fugitive particulate emissions from the tub grinder whenever the tub grinder is in operation, unless there are no visible emissions.

(c) Portable equipment units not described in section 2457(b) above, shall be subject to the most stringent district Best Available Control Technology (BACT) requirements in effect for that category of source at the time of application for registration.

(d) Registration is not valid for any equipment unit operating at a location if by virtue of the activity to be performed hazardous air pollutants will be emitted (e.g., rock crushing plant operating in a serpentine quarry. [Note: The equipment unit would be subject to the requirements of the district in which the equipment is located.]

NOTE: Authority cited: Sections 39600-39601, 41752-41755, 43013(b) and 43018, Health and Safety Code. Reference: Sections 41750-41755, Health and Safety Code.

#### **REFERENCE**